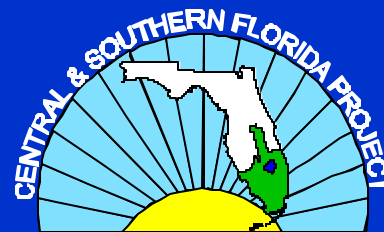


Comprehensive Everglades Restoration Plan Overview

Tom Teets

South Florida Water Management
District

March 1, 2001



COMPREHENSIVE
EVERGLADES
RESTORATION PLAN

*Rescuing an Endangered Ecosystem:
The Plan to Restore America's
Everglades*



*The Central and Southern Florida Project
Comprehensive Review Study
(The Restudy)*

July 1999

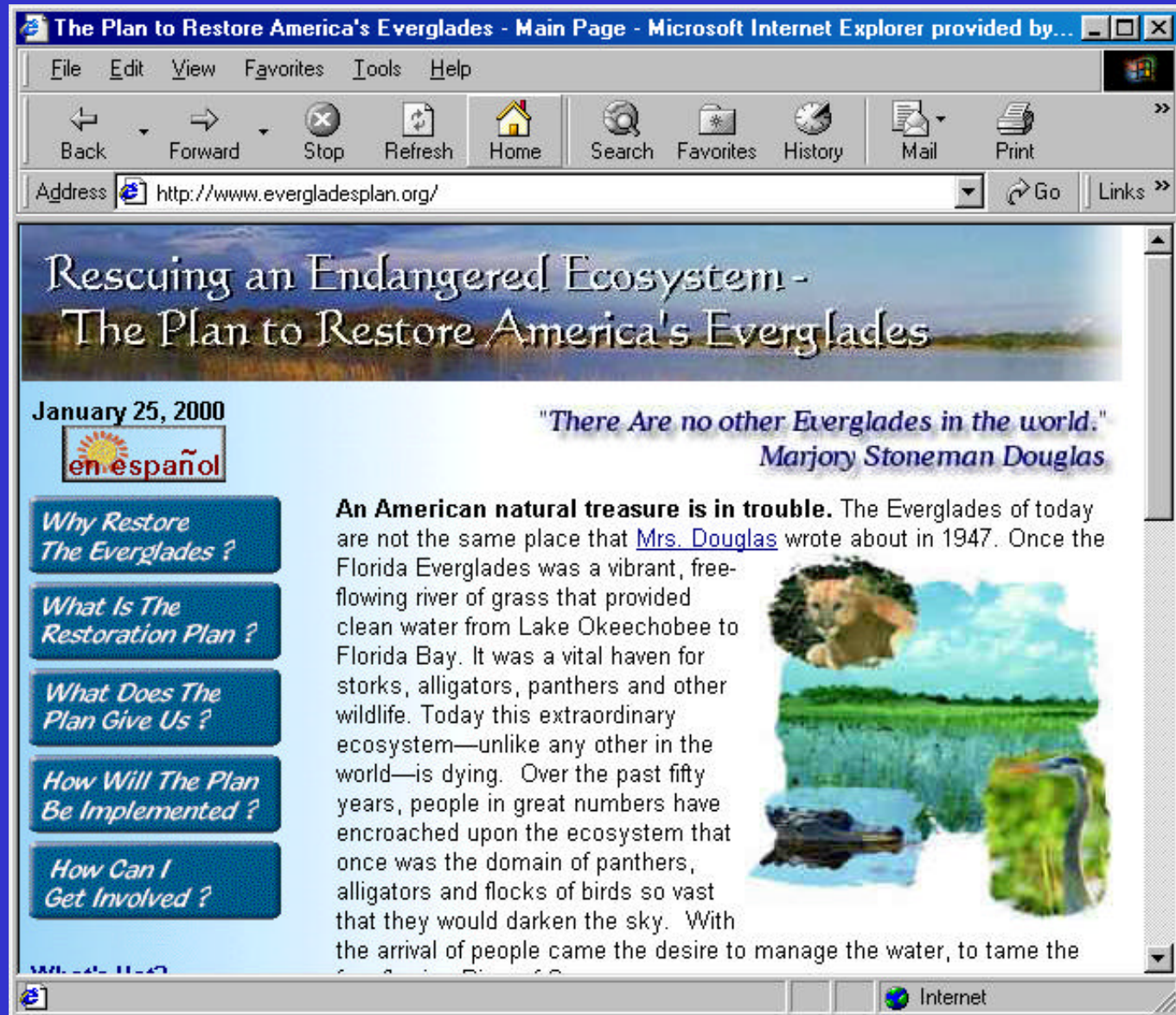
On July 1, 1999, the Secretary of the Army and the State of Florida presented to Congress the Central and Southern Florida Project ...

Comprehensive Everglades Restoration Plan

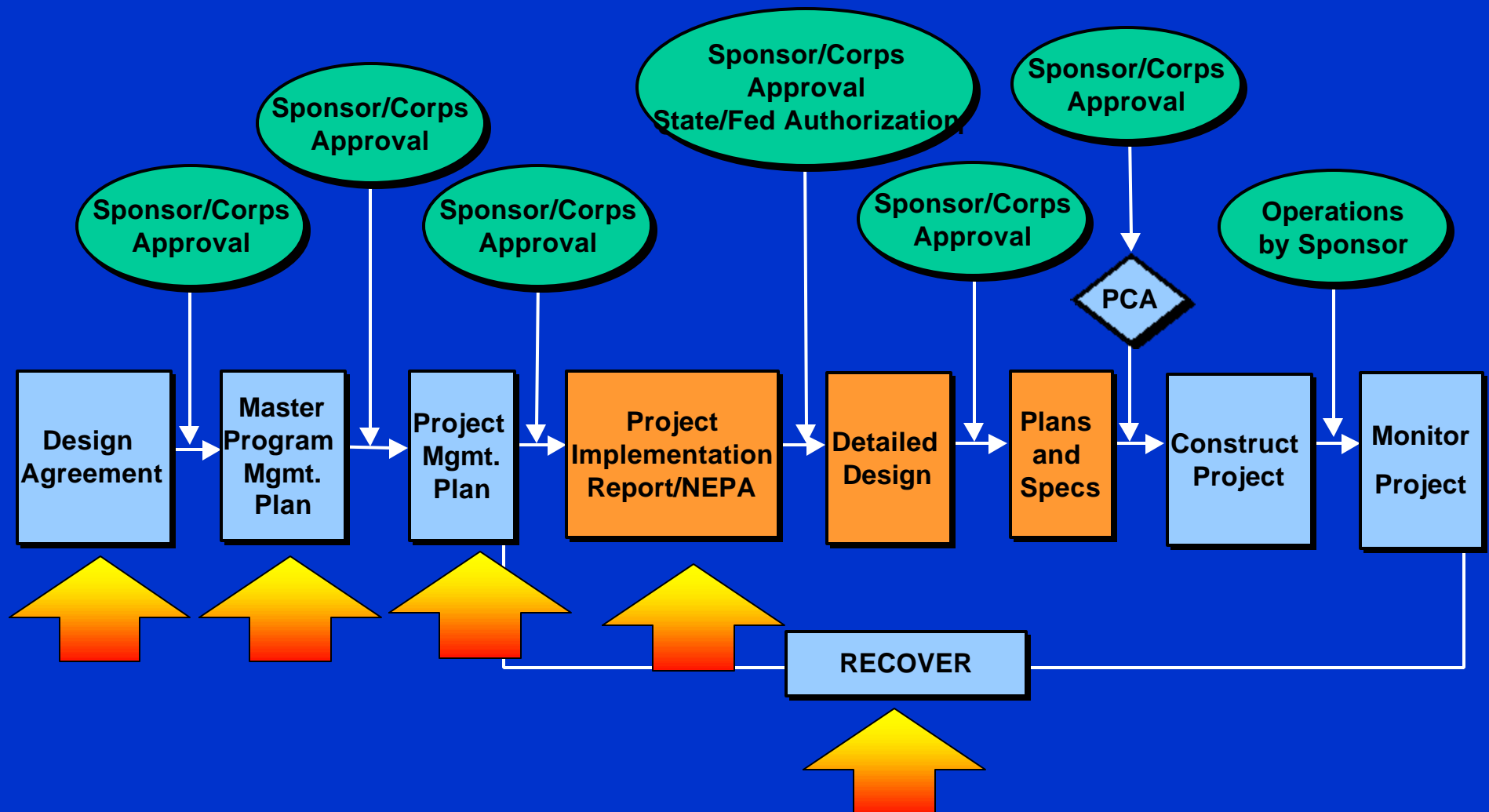
*A series of environmental
improvements over 25 years
with an estimated cost of \$7.8
billion*

www.evergladesplan.org

Visit our
web site

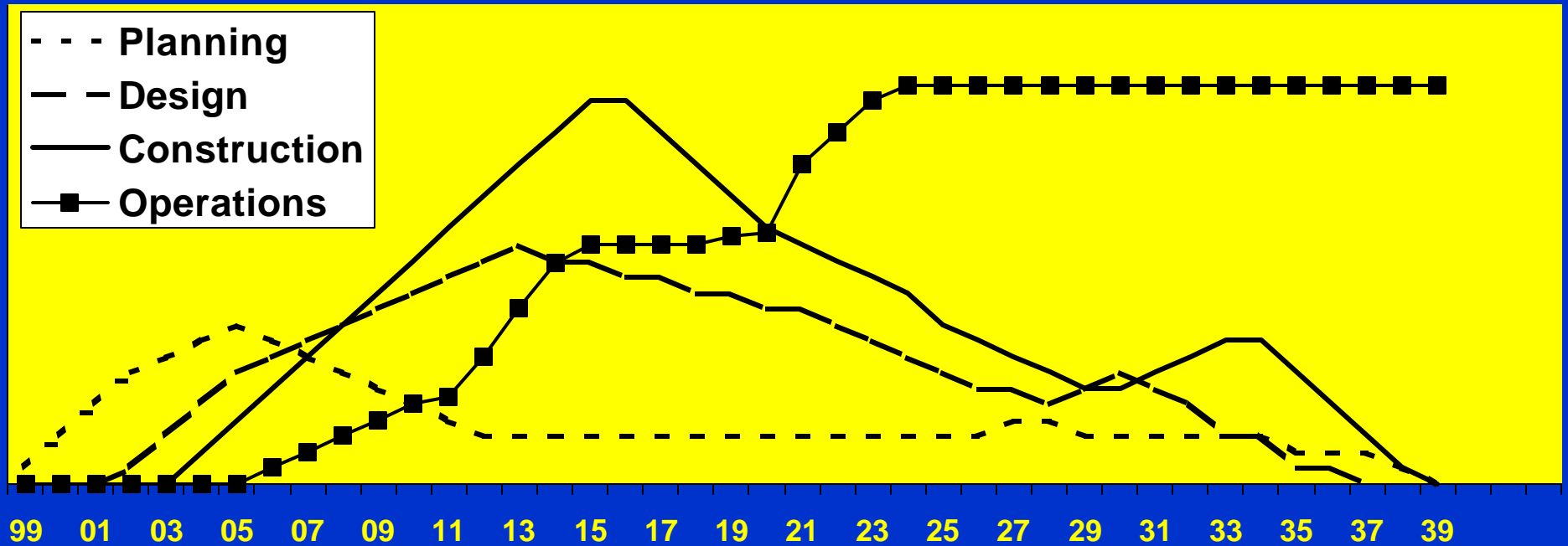


CERP Development Process



COMPREHENSIVE EVERGLADES RESTORATION PLAN

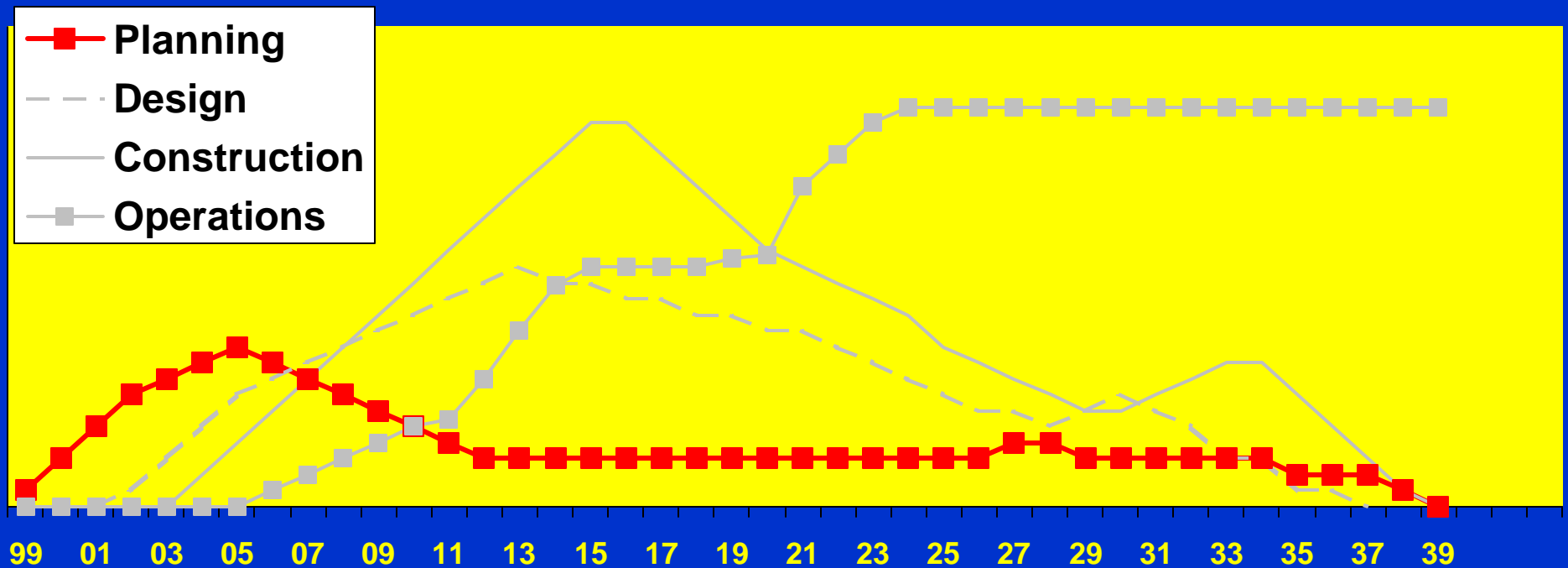
Conceptual Lifecycle Phased Projections



Skill Sets Required

COMPREHENSIVE EVERGLADES RESTORATION PLAN

Conceptual Project Implementation Report Skill Set Projections



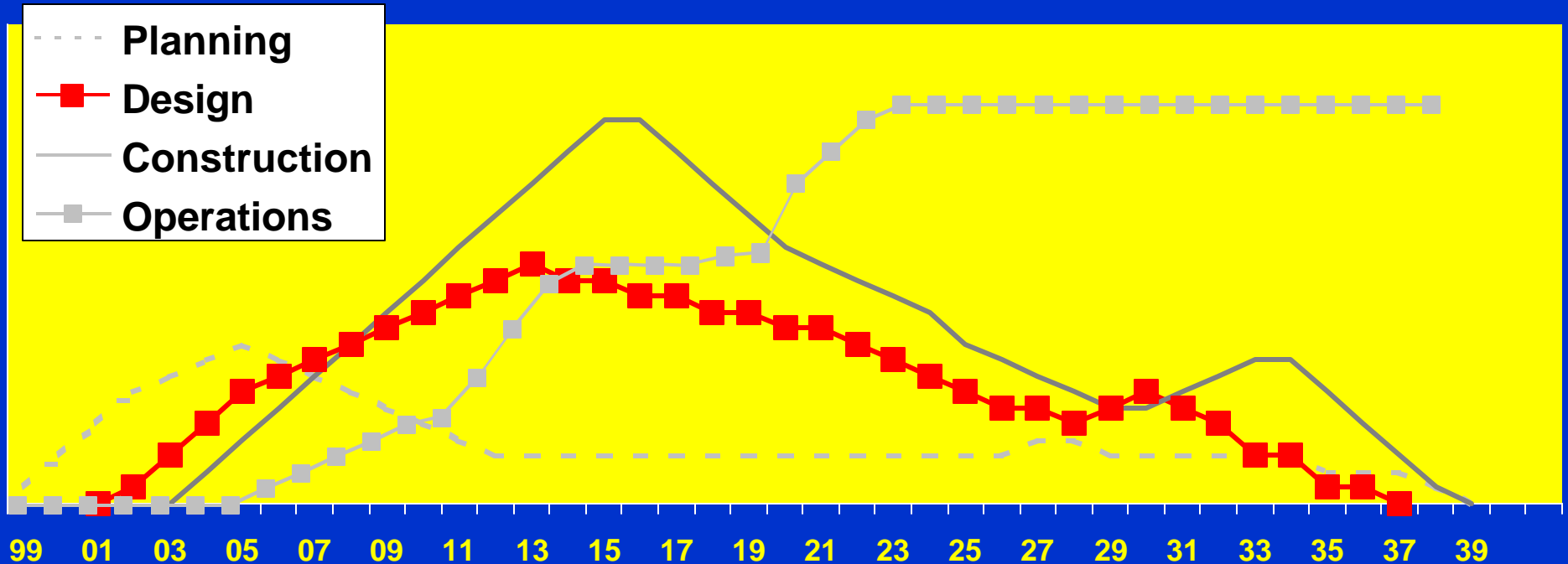
Typical Project Implementation Report Phase Skill Sets

Water Resource Planners
Environmental Scientists & Engineers
Archeologists & Sociologists
Hydraulic Engineers & Geologists
Program and Project Managers
Real Estate Specialists & Attorneys
Landscape Architects & Surveyors
Information Technology Specialists

Economists & Cost Estimators
Ecologists & Biologists
Civil & Mechanical Engineers
Engineering Technicians
Public Involvement Specialists
Technical Writers & Editors
GIS/CADD/Computer Specialists

COMPREHENSIVE EVERGLADES RESTORATION PLAN

Conceptual Design Skill Set Projections



Typical Design Phase Skill Sets

Structural & Mechanical Engineers

Geotechnical Engineers

Scientists & Planners

Cost Estimators

Engineering Technicians

Program and Project Managers

GIS/CADD/Computer Specialists

Information Technology Specialists

Civil & H&H Engineers

Geologists & Archeologists

Economists & Sociologists

Surveyors & Landscape Architects

Public Involvement Specialists

Real Estate Specialists & Attorneys

Contract Administrators

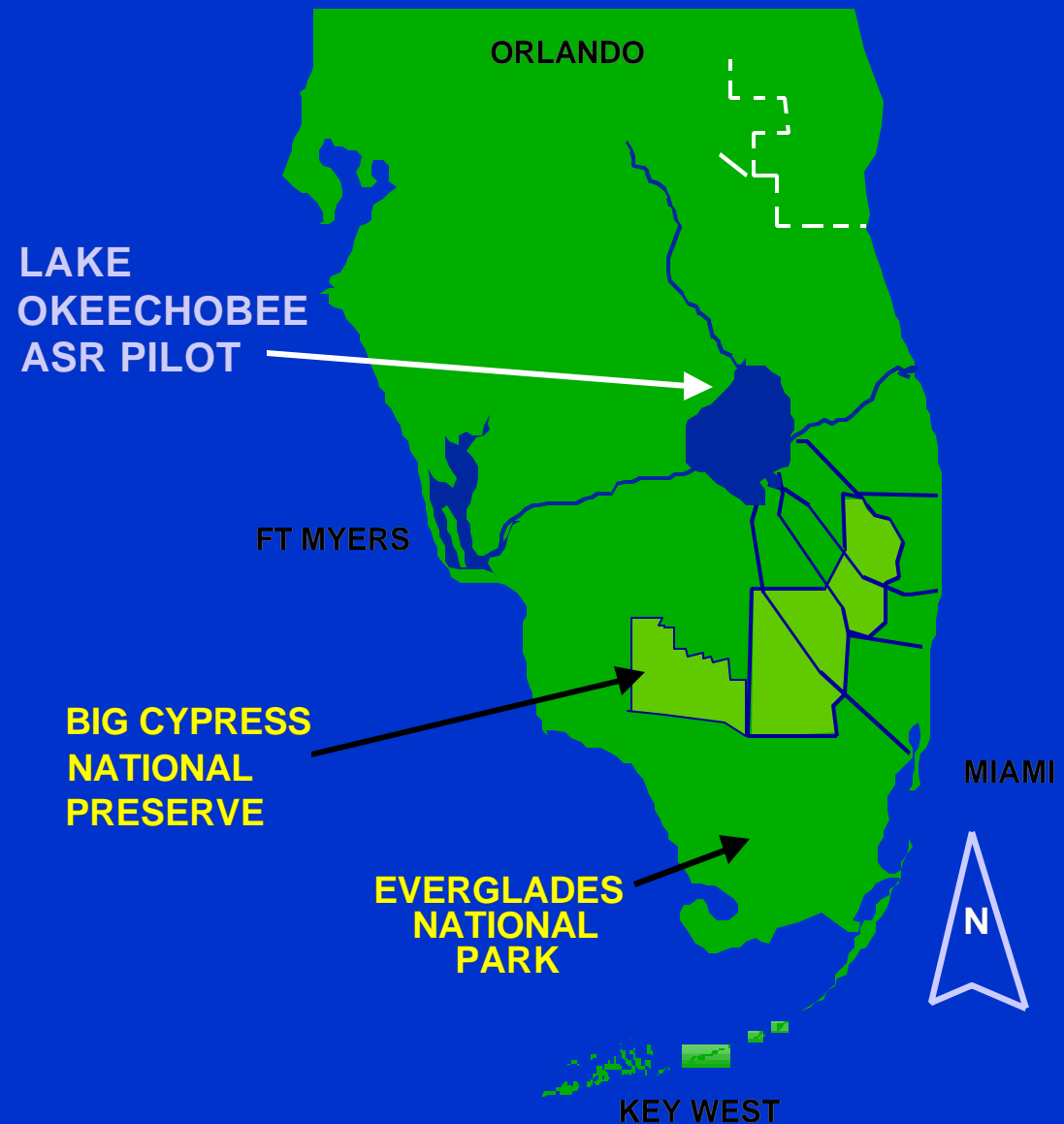
Ecologists & Biologists

Program-level Management Plans

- **Program Controls**
- **Geodetic Surveys**
- **RECOVER**
- **Real Estate**
- **Data Management**
- **Public Outreach and Involvement**
- **Socioeconomic and Environmental Justice**
- **Regional Aquifer Storage & Recovery Study**

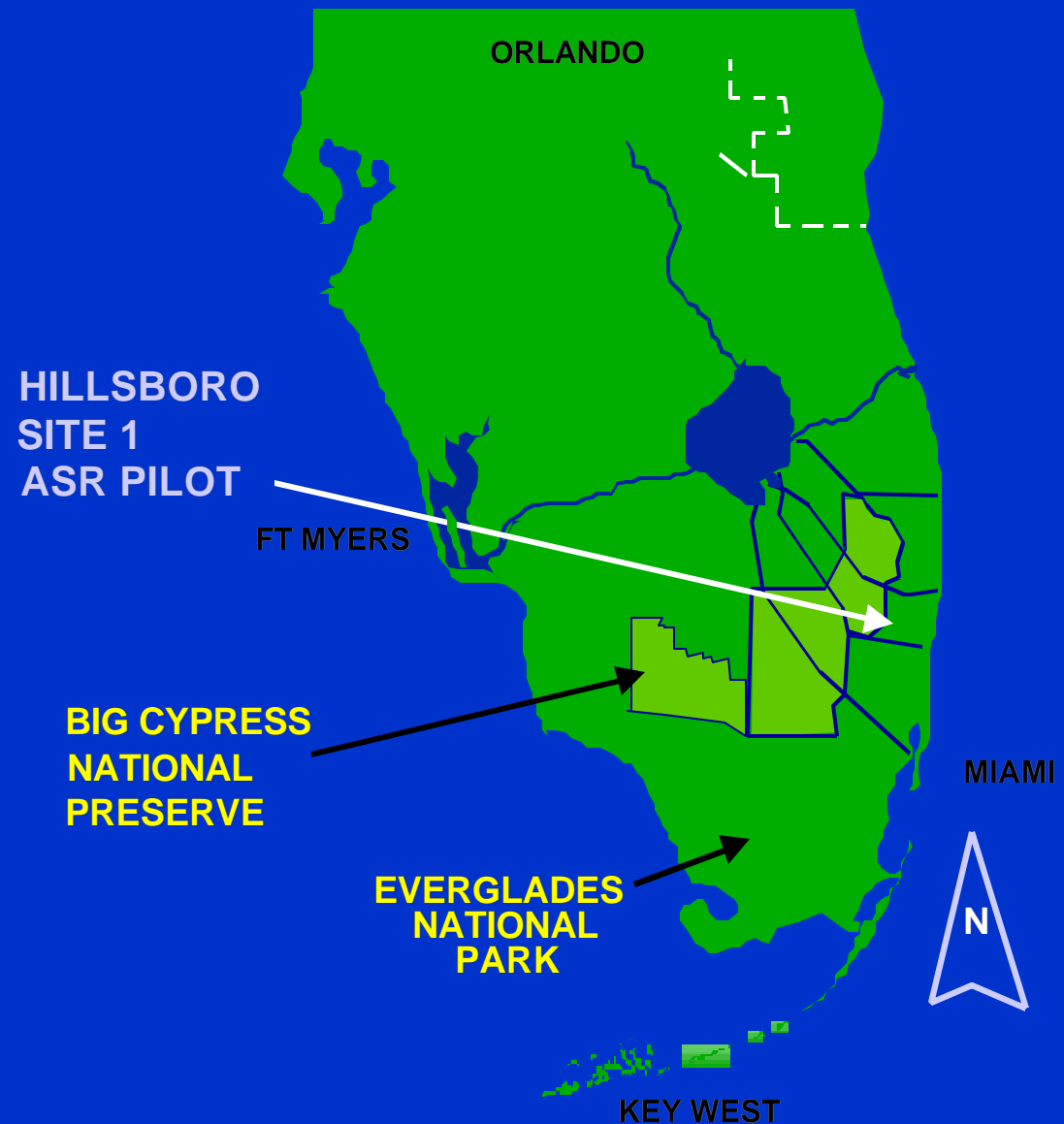
LAKE OKEECHOBEE ASR PILOT

- **Estimated 8 ASR wells at 3 sites**
- **Pump Plants, water treatment facilities, large diameter wells with monitoring wells**
- **Evaluate and refine large scale ASR**
- **Estimated Cost - \$19 million**
- **Status - PMP complete Feb**



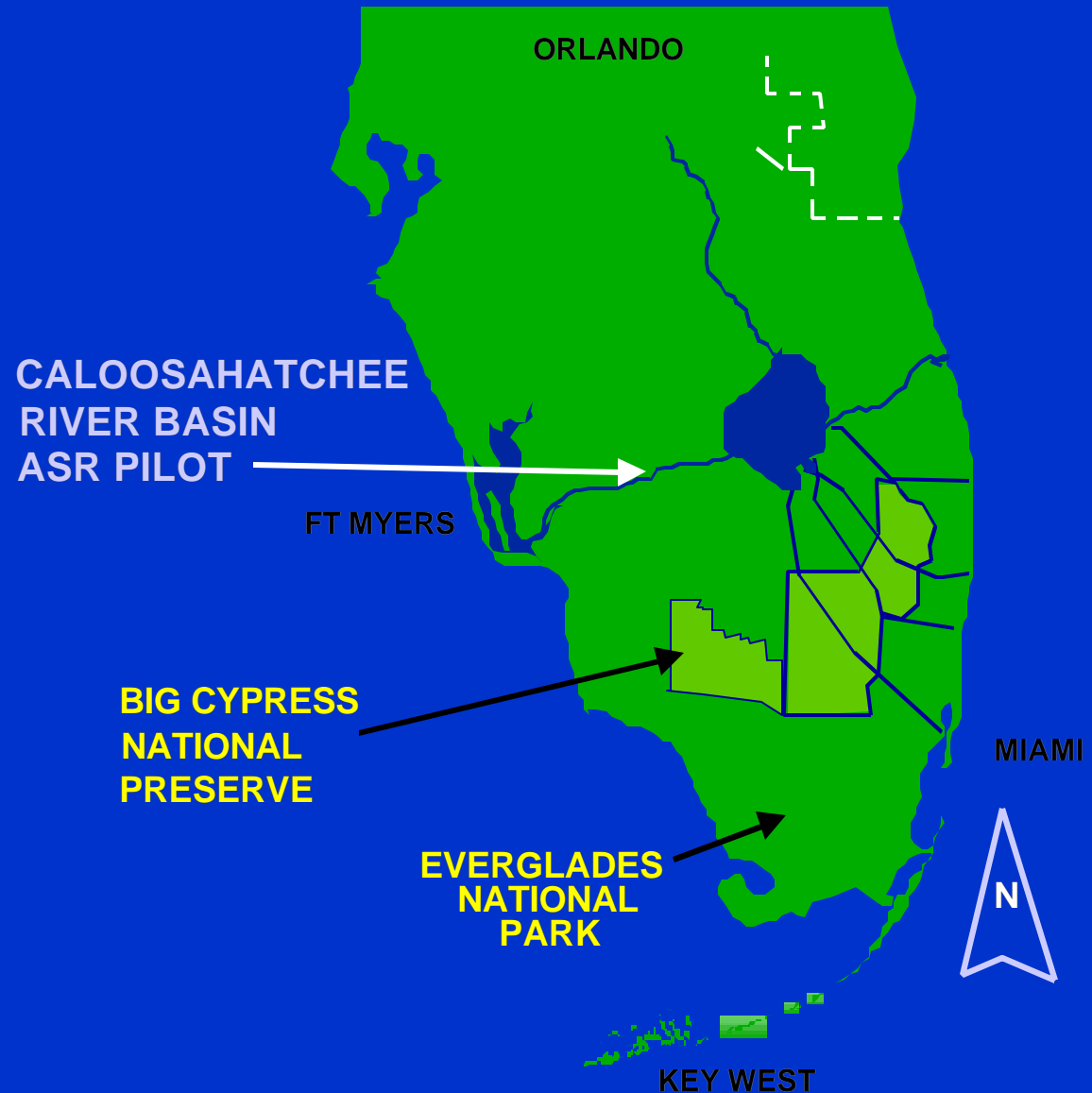
HILLSBORO SITE 1 ASR PILOT

- **Estimated 2-4 ASR wells at 4 sites**
- **Pump Plants, water treatment facilities, large diameter wells with monitoring wells**
- **Evaluate and refine large scale ASR**
- **Estimated Cost - \$9 million**
- **Status - PMP Complete Feb**



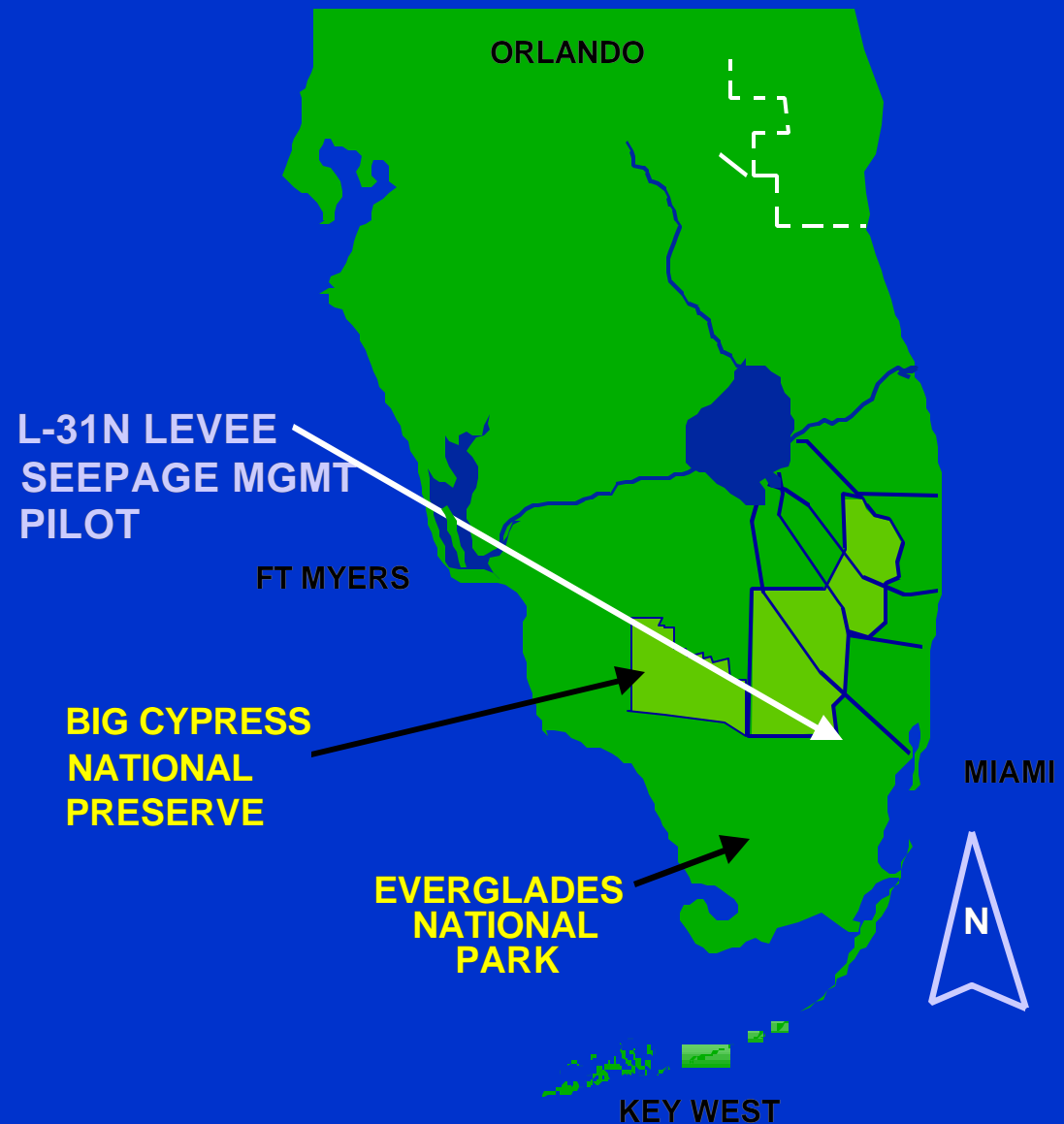
CALOOSAHATCHEE RIVER ASR PILOT

- Conceptual plan calls for ASR test wells in the Caloosahatchee Basin
- Pump Plants, water treatment facilities, large diameter wells with monitoring wells to evaluate and refine large scale ASR
- Estimated Cost - \$6 million
- Status - To start this spring



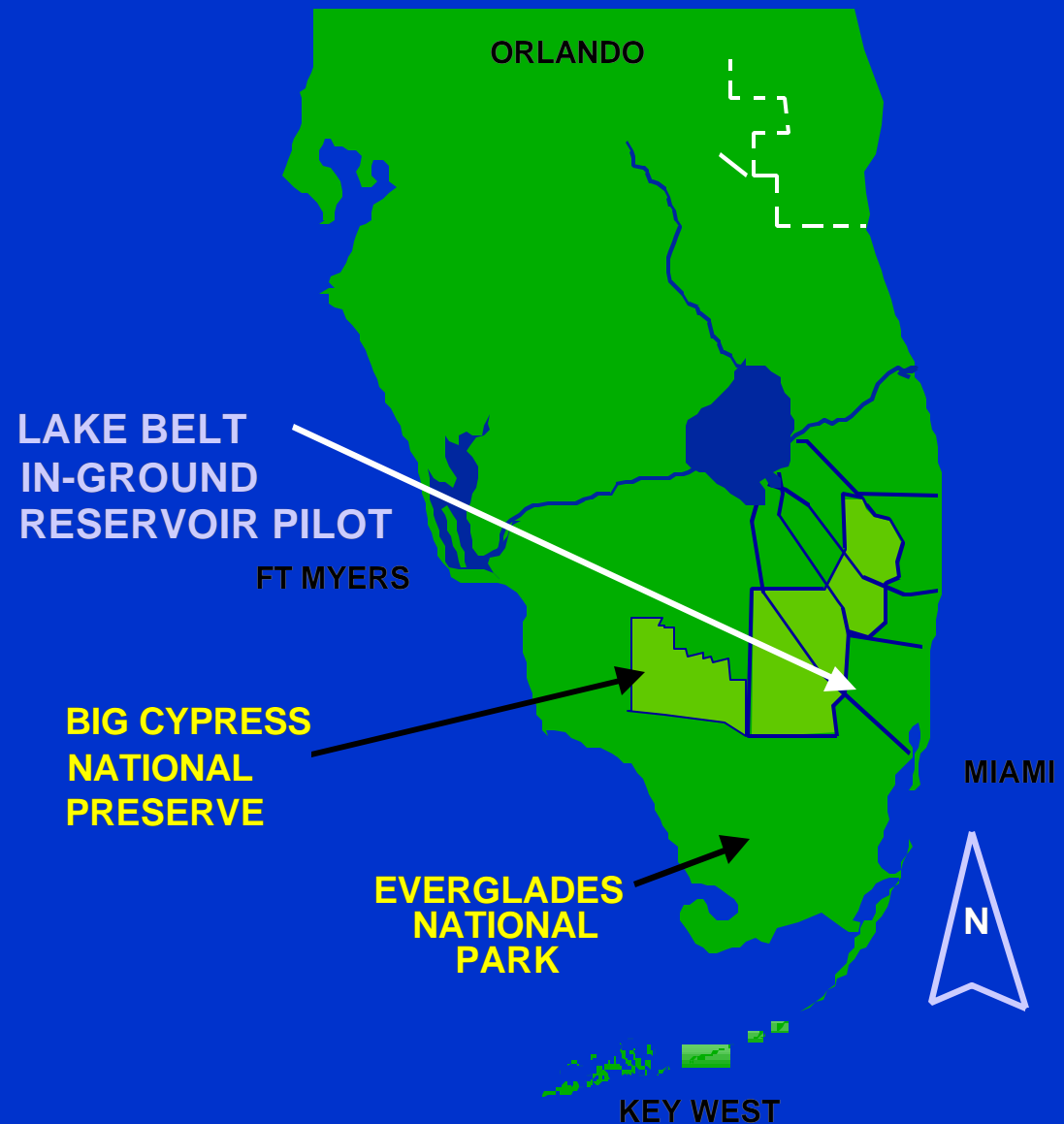
L-31N LEVEE SEEPAGE MANAGEMENT PILOT

- Investigate seepage management technologies
- Reduce ground water loss to east while minimizing potential impacts to Miami-Dade County's West well field and freshwater flows to Biscayne Bay
- Estimated Cost - \$10 million
- Status - PMP Started



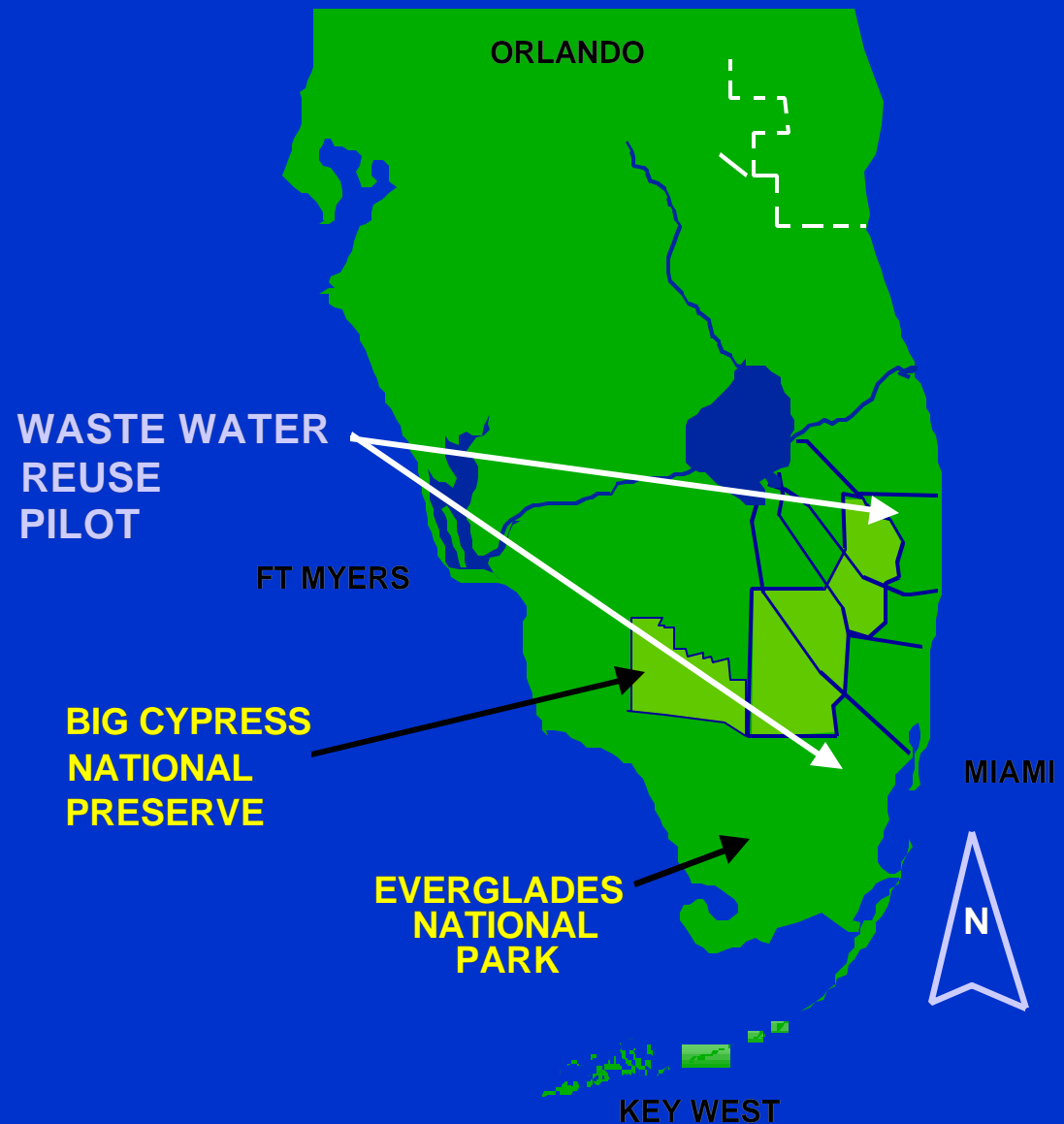
LAKE BELT IN-GROUND RESERVOIR PILOT

- **Determine feasibility of using rock mine lakes as reservoirs that can be drawn down during dry periods without significant seepage losses and without impacting water quality due to transmissivity of aquifer**
- **Estimated Cost - \$10 million**
- **Status - Starting PMP development**



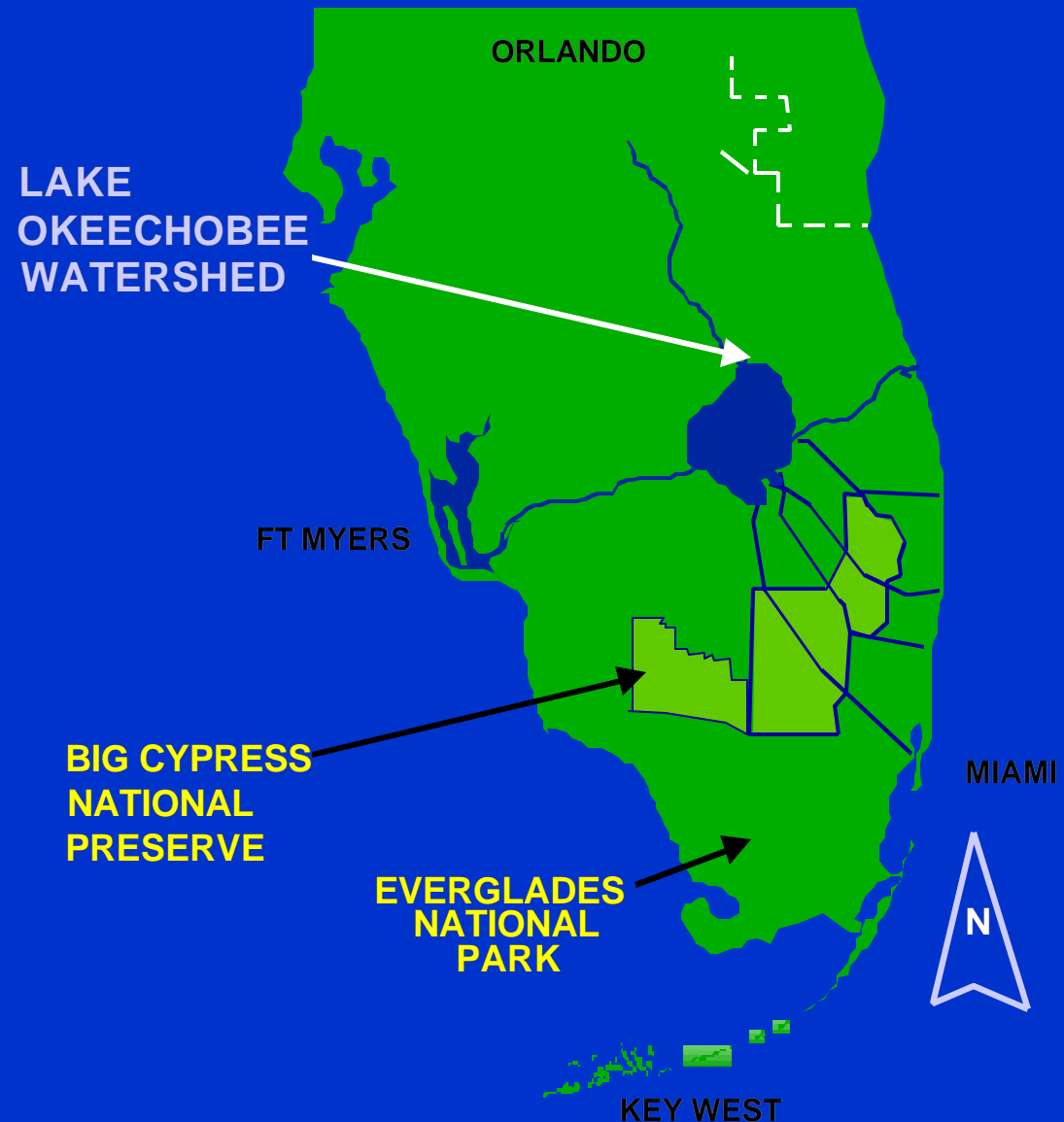
WASTE WATER REUSE PILOT

- Determine level of superior or advanced treatment needed to discharge reclaimed water into natural areas such as West Palm Beach Catchment Area, Biscayne Bay National Park, and Bird Drive Basin
- Estimated Cost - \$30 million
- Status - Starting PMP development



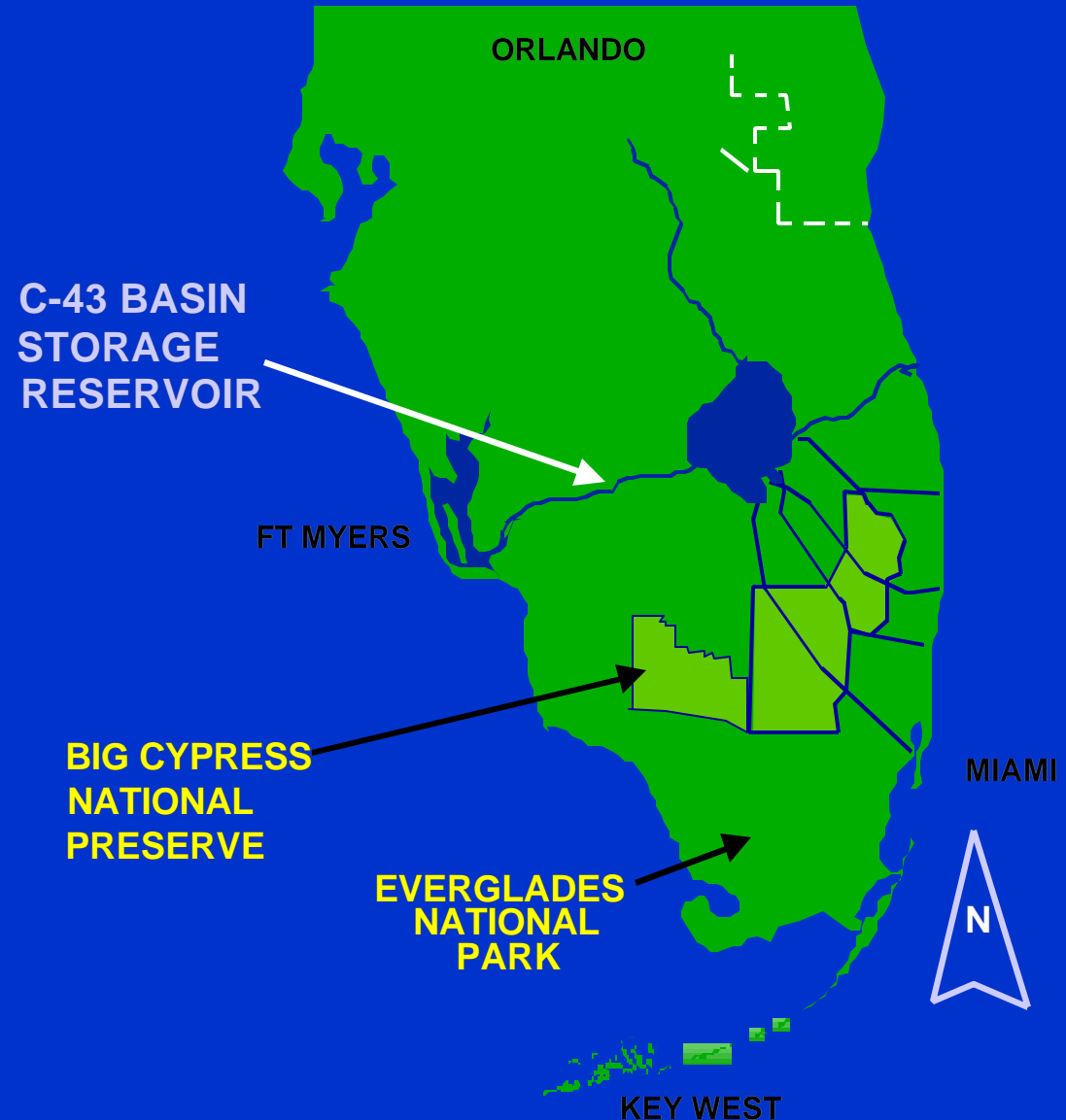
LAKE OKEECHOBEE WATERSHED

- **North Storage Reservoir - 200k AF reservoir with 2.5k ac STA**
- **Taylor Creek/Nubbin Slough RSTA with 50k AF reservoir and 20k ac STA**
- **Water quality treatment facilities with 3.5k ac RSTA**
- **Tributary Sediment Dredging with 10 miles of sediment dredging on canals**
- **Estimated Cost - \$455 million**
- **Status - PMP Complete June 01**



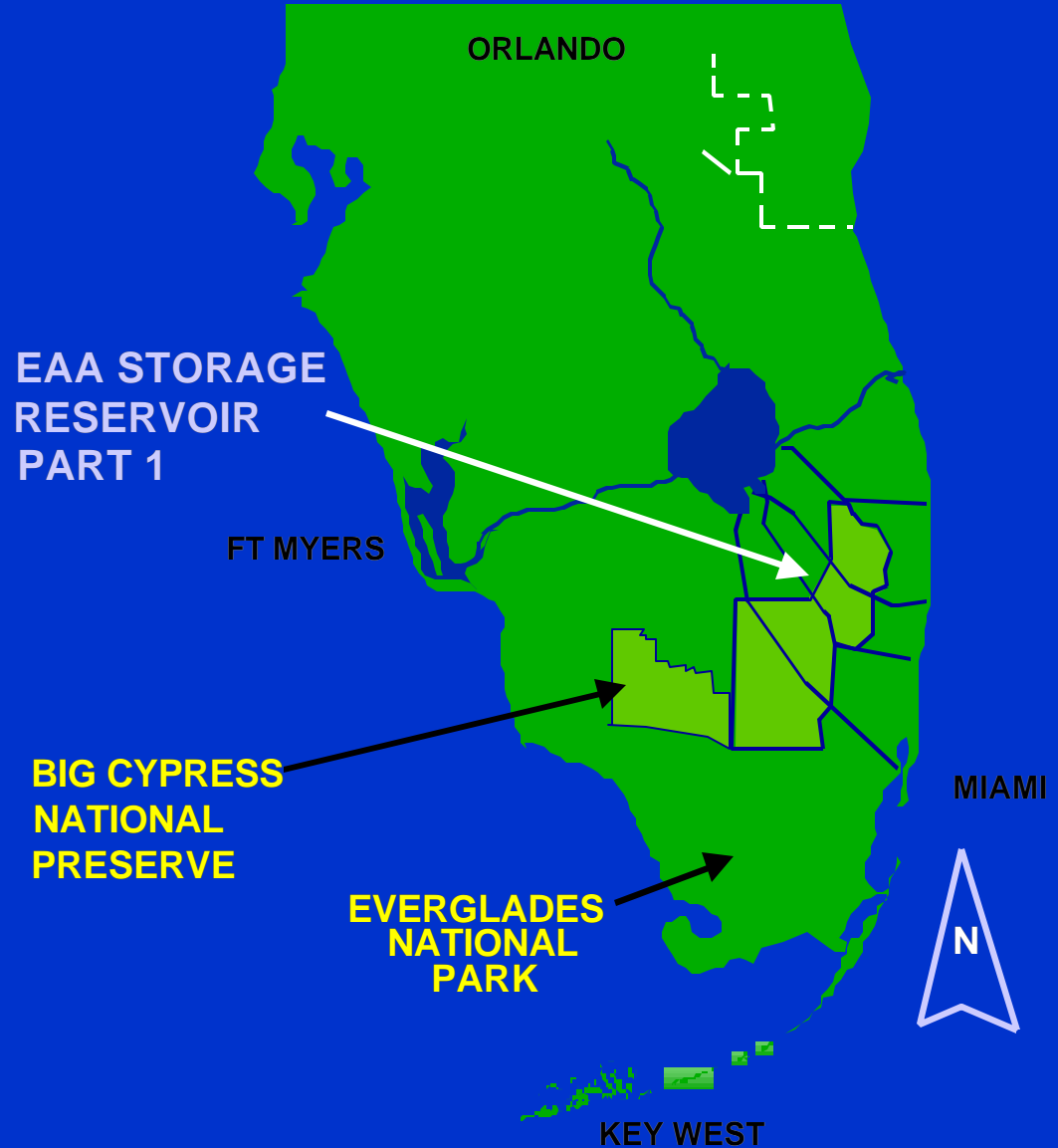
C-43 BASIN STORAGE RESERVOIR

- **160,000 ac-ft reservoir**
- **Environmental and water supply benefits to the Caloosahatchee Basin**
- **Estimated Cost - \$201 million**
- **Status - PMP started**



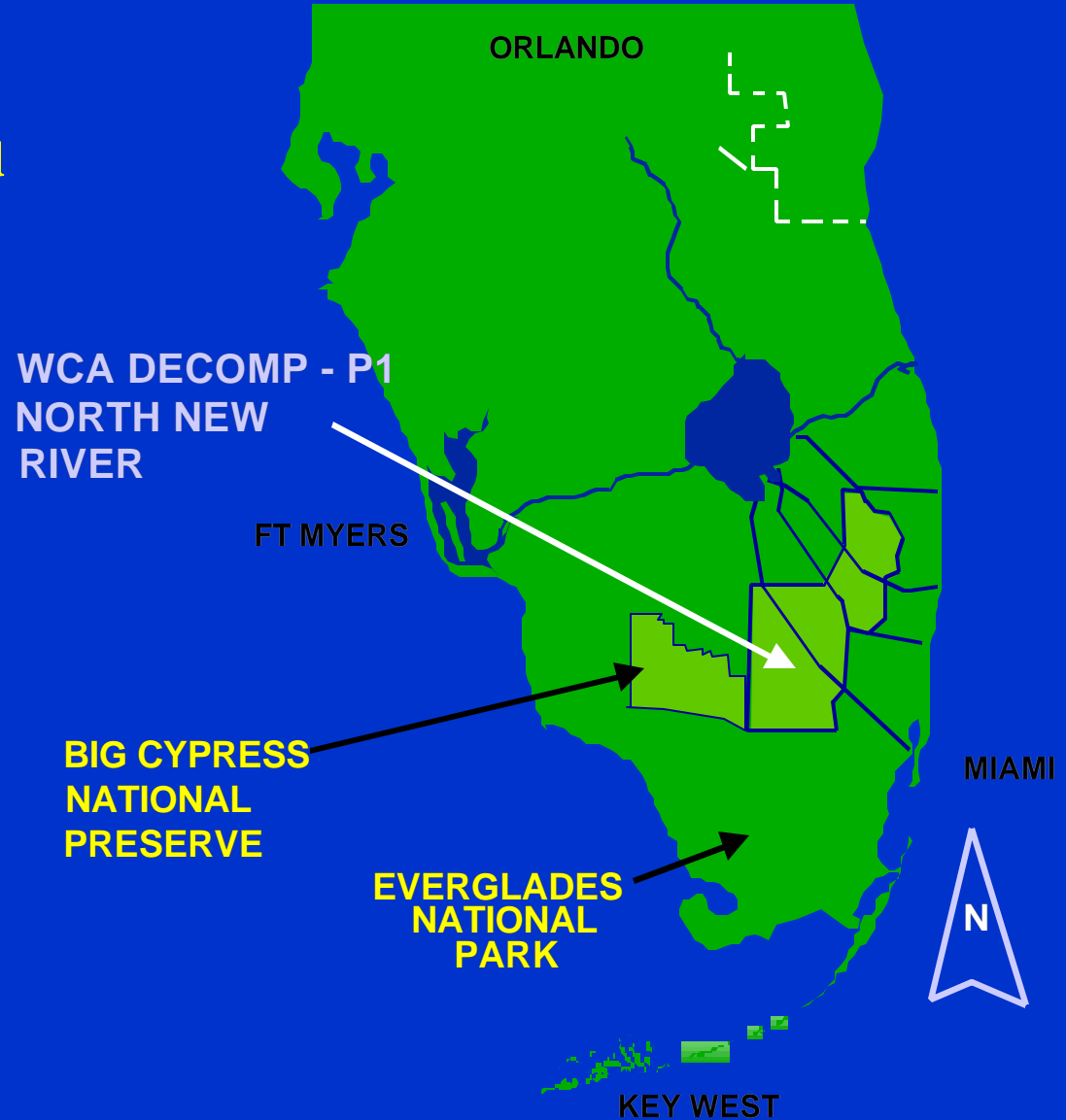
EAA STORAGE RESERVOIR PART 1

- **300,000 ac-ft reservoir**
- **Store EAA runoff and Lake Okeechobee releases**
- **SFWMD proposes to proceed in 2 phases - Canal improvements, then reservoir**
- **Estimated Cost - \$233 million**
- **Status - PMP Complete Aug 01**



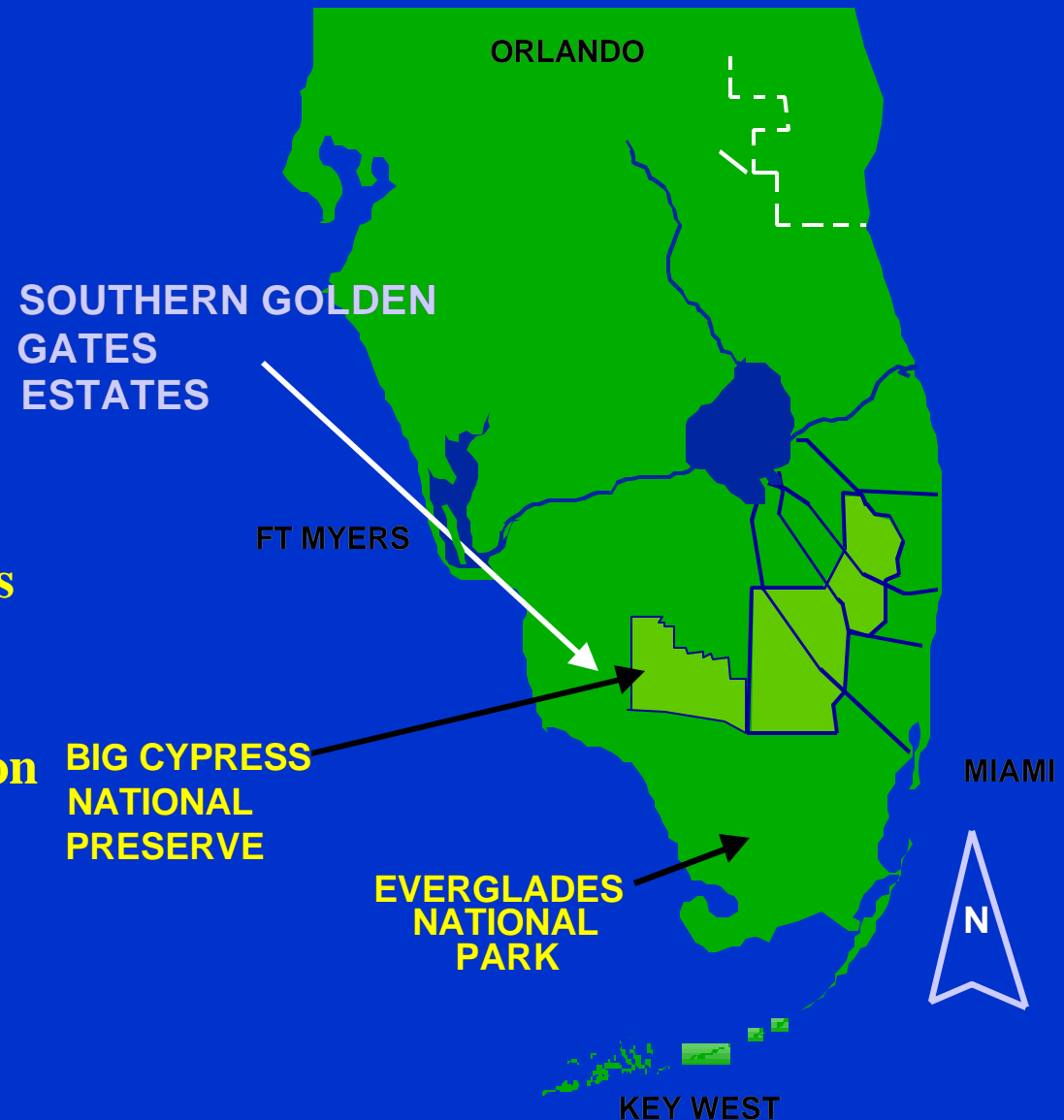
WCA DECOMP - PHASE 1/ NORTH NEW RIVER

- **Improve hydroperiods and sheet flow in Everglades**
- **Fill Miami Canal**
- **Improve NNR Canal for Water supply to Miami-Dade**
- **Remove eastern portion of L-29**
- **Modify L-67A & L-67C**
- **Estimated Cost - \$61 million**
- **Status - PMP Started**



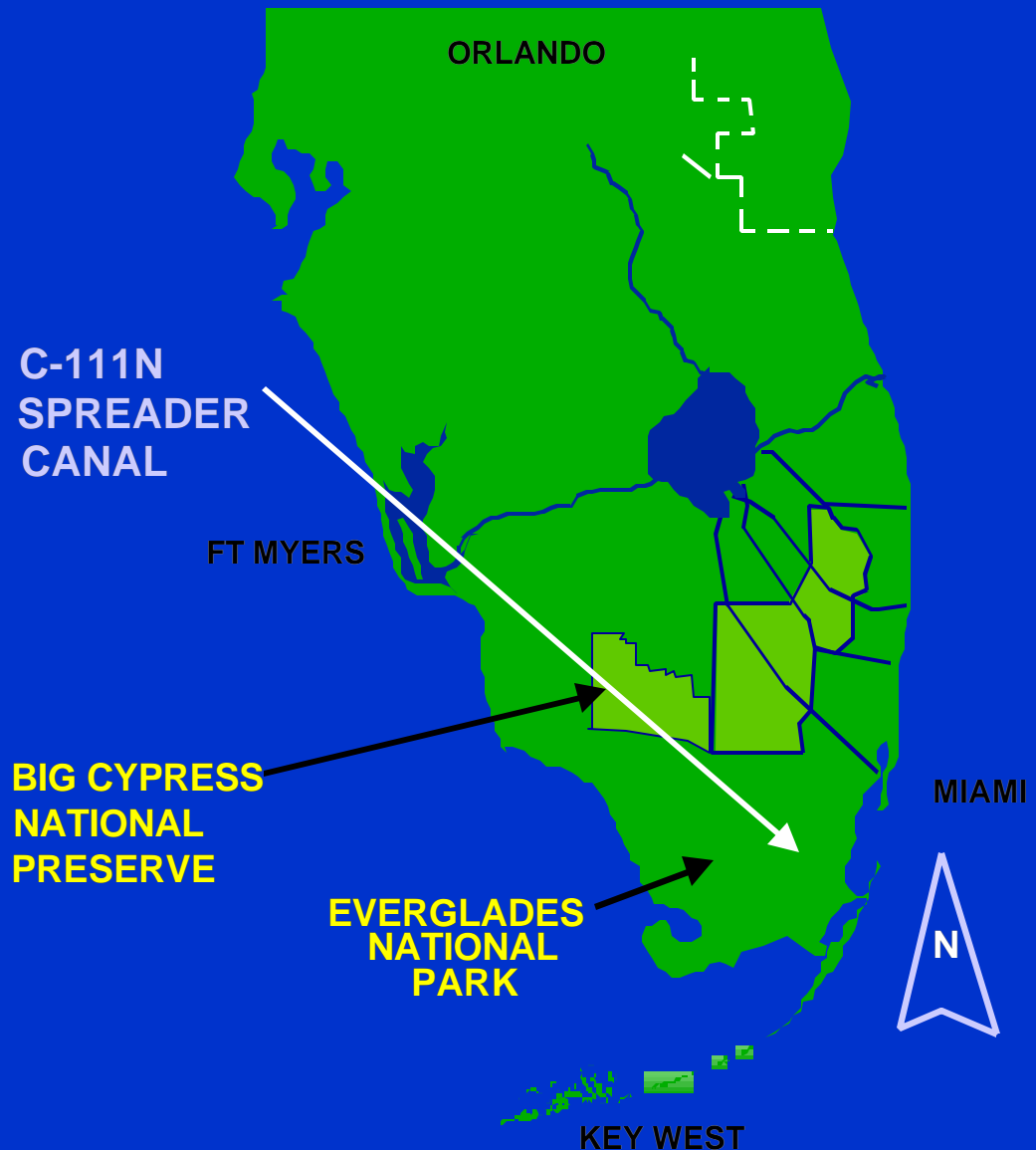
SOUTHERN GOLDEN GATES ESTATES

- Land acquisition and restoration of 55,000 acres
- Environmental benefits to lower west coast area from restoration of hydroperiods and natural flow patterns through removal of roadways and canals
- Estimated Cost - \$94 million
- Status - PMP Complete March 01





C-111N SPREADER CANAL

- **Spreader Canal under US 1 and Card Sound Road to improve hydroperiod in Model Lands**
- **Estimated Cost - \$94 million**
- **Status - PMP Started**



South Florida Water Management District Contracting Opportunities



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

Your "link" to Contract Information

Procurement & Contracts:
www.sfwmd.gov/caree/2_procure.html

Overview:
www.sfwmd.gov/org/mso/pro/3_procure.html

How to do Business with the District:
www.sfwmd.gov/org/mso/pro/3_procure2.html

How to get on the District Vendor Database:
www.sfwmd.gov/org/mso/pro/3_procure3.html

Current & Pending District Solicitations:
www.sfwmd.gov/org/mso/pro/3_procure4.html

Procurement & Contract information: 1-561-682-2813

sfwmd.gov

3301 Gun Club Road
West Palm Beach, Florida 33406
561-686-8800 • FL WATS 800-432-2045

Mailing Address: P.O. Box 24680
West Palm Beach, FL 33416-4680